

Partnerships for Better Agriculture

COOPERATIVE
EXTENSION
SERVICE



*UK College of Agriculture, Food and Environment, Division of Compliance Assistance, Division of Conservation, Division of Water, and Natural Resources Conservation Service **partnering to meet the needs of our shared stakeholders.***



Brief History of Our Roots

Morrill Acts (1862 and 1890)

- ❑ The Morrill Act of 1862 created land-grant institutions so that working class citizens could have equal access to higher education with a focus on farming and mechanical skills. *[University of Kentucky]*
- ❑ The Morrill Act of 1890 established the 1890 and 1994 land-grant institutions to address educational inequality among African Americans and Native Americans. *[Kentucky State University]*



Hatch Act (1887)

- ❑ The Hatch Act authorized strengthening the capacity of land-grant universities to research agricultural problems faced by rural citizens.
- ❑ It provided funding for land-grant colleges to create agricultural experiment stations.
 - Laid the groundwork for research in agricultural and veterinary science



Smith–Lever Act (1914)

- ❑ The Smith Lever Act created a Cooperative Extension Service associated with each land-grant institution.
- ❑ Enabled the land-grant universities to disseminate knowledge throughout the state to farmers, homemakers, youth, and communities.



Land-Grant University



□ Our “Land Grant” mission

- Original Morrill Act and Hatch Act sponsors wanted colleges that would be available to the great masses of American people – *“People’s Colleges” which would serve the needs of all people.*
- Goal was to aid in development of our nation's natural resources and to deal with practical problems of people.
 - ✓ Not concerned merely with *“knowledge for knowledge’s sake”*, but an emphasis on *“knowledge for use”*.
 - ✓ Find ways in which knowledge could be used to help improve the quality of life of the American people.

Land-Grant University

❑ Fulfilling our “Land-Grant” mission

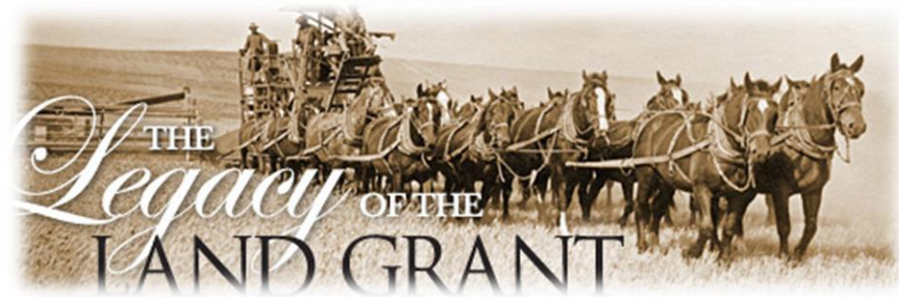
- Three areas of responsibility

Research

Teaching

Extension

- Excelling in each of these areas is vital to fulfilling our land-grant mission





College of Agriculture,
Food and Environment

College of Agriculture,
Food and Environment

CAFE Departments

- ❑ Through faculty and staff they provide:



CAFE Departments

- ❑ Agricultural Economics
 - ❑ Animal and Food Sciences
 - ❑ Biosystems and Agricultural Engineering
 - ❑ Community and Leadership Development
 - ❑ Dietetics and Human Nutrition
 - ❑ Entomology
 - ❑ Family Science
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CAFE Departments

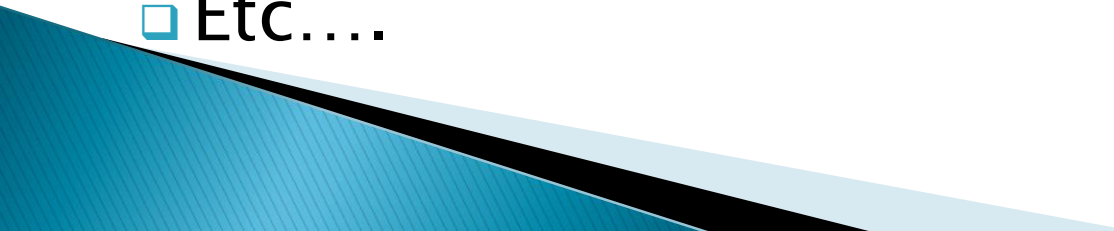
- ❑ Forestry
 - ❑ Horticulture
 - ❑ Landscape Architecture
 - ❑ Plant and Soil Sciences
 - ❑ Plant Pathology
 - ❑ Retailing and Tourism Management
 - ❑ Veterinary Science
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CAFE Units

- Regulatory Services
- Research and Education Center (WKREC)
- Robinson Center for Appalachian Resource Sustainability (RCARS)
- Eden Shale



Examples of Department/Unit Research and Outreach

- ❑ Nutrient management
 - ❑ Manure storage/treatment/application
 - ❑ Water Quality
 - ❑ BMPs
 - ❑ Soil erosion
 - ❑ Water quality plans
 - ❑ Maintenance of high traffic livestock areas
 - ❑ Crops for filter strips
 - ❑ Composting
 - ❑ Etc....
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CAFE Programs/Initiatives/Groups

□ Environmental and Natural Resources Issues Task Force

- Identify emerging issues related to environmental and natural resource topics important to the rural and urban communities of Kentucky
- Provide leadership for knowledge transfer to increase environmental and natural resource literacy among rural and urban residents
- Facilitate partnerships with other agencies and groups that are responsive to the environmental needs of communities

Contact: Ashley Osborne
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CAFE Programs/Initiatives/Groups

▣ Sustainable Agriculture & Food Systems

- Plan and coordinate college programs in sustainability related issues
- Promote the development of new programming and events
- Develop support for existing College programs which contribute to sustainability
- Strive to integrate current instructional, research and extension efforts and, increase their visibility and impact
- Collaborate with campus and community level groups working on sustainability

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CAFE Programs/Initiatives/Groups

- ❑ Tracy Farmer Institute for Sustainability and the Environment
 - Develops and supports inter- and transdisciplinary working groups focused on solving important contemporary challenges in environmental and sustainability science and policy
 - Climate change
 - Water systems
 - Nanotechnologies for remediation of environmental contaminants
 - Urban forest initiative



CAFE Programs/Initiatives/Groups

❑ Agriculture and Natural Resources

- Areas of focus include:

- Horticulture
- Crops
- Livestock
- Natural Resources
- Ag Economics
- Ag Policy



**Agriculture and
Natural Resources**



CAFE Programs/Initiatives/Groups

▣ Agriculture and Natural Resources

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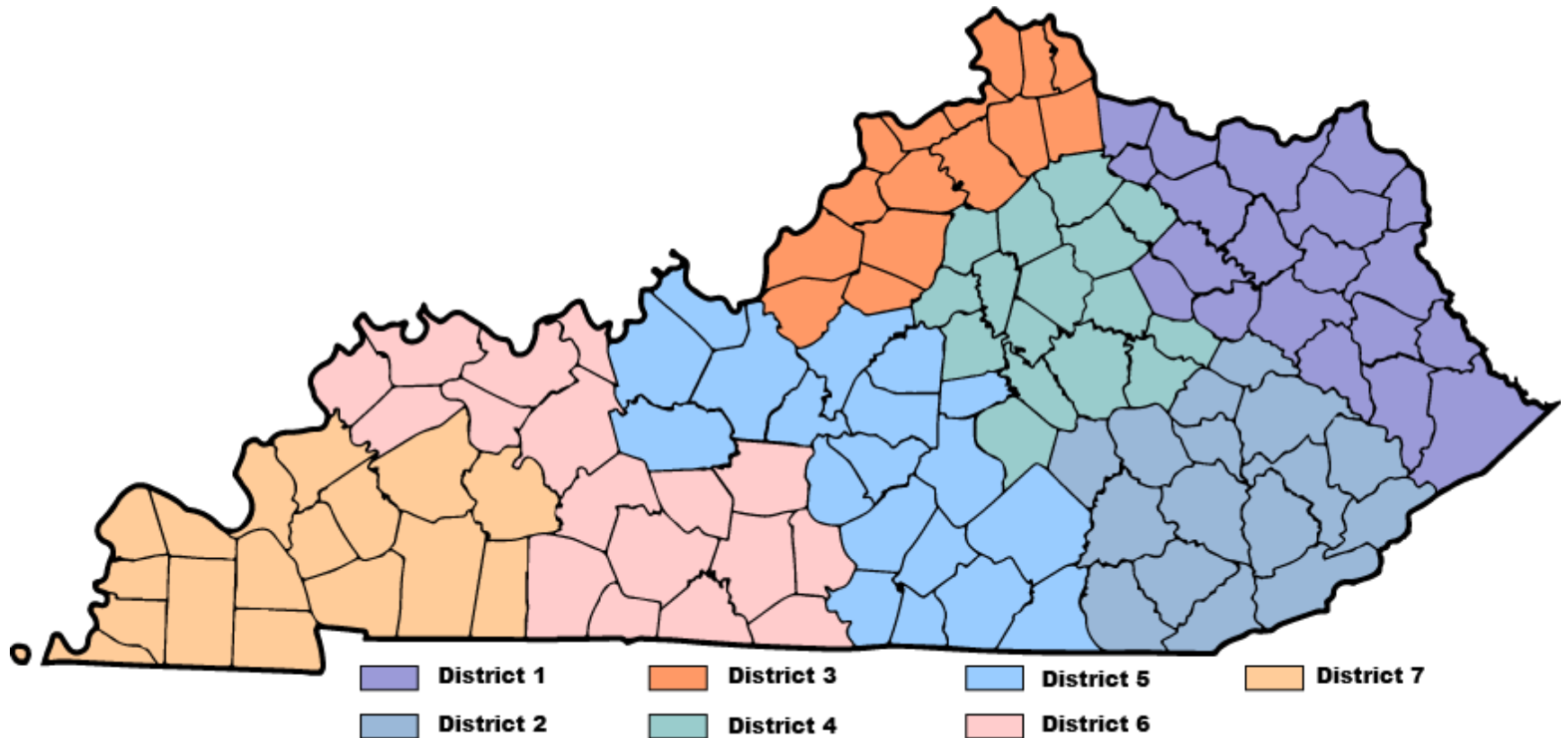
Cooperative Extension Service

Cooperative Extension Service


- ❑ Our mission is to make a difference in the lives of Kentucky citizens through research-based education and outreach programs.



County Extension Offices

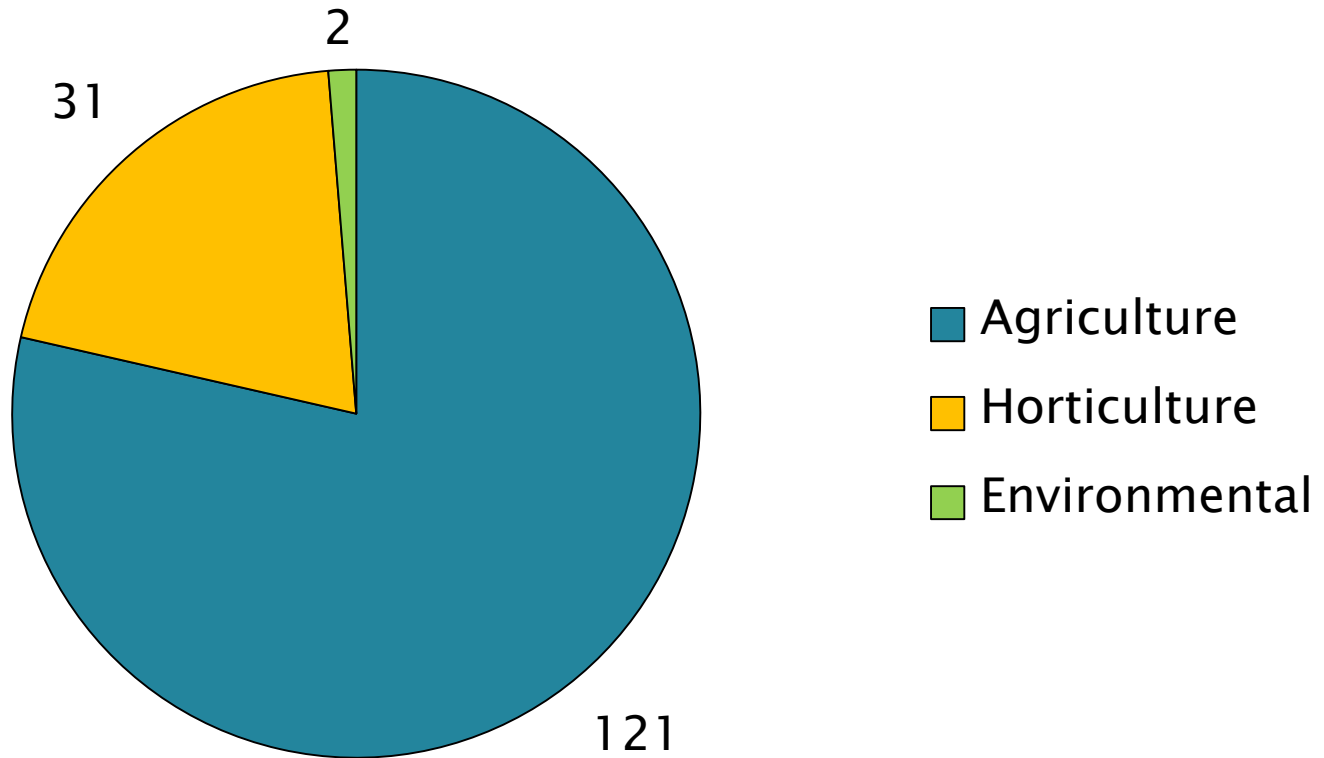


Four Major Program Areas

- ❑ Agriculture and Natural Resources (ANR)
 - Agriculture production and marketing and their relationship to the economy and environment, includes horticulture
 - ❑ Family and Consumer Sciences (FCS)
 - Nutrition, health, financial management, child care, parenting, Extension Homemakers
 - ❑ 4-H Youth Development (4-H)
 - Youth programs that focus on leadership, citizenship and developing life skills
 - ❑ Community and Economic Development (CED)
 - Job creation, leadership development, business retention and expansion, community services
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ANR County Extension Agents

154 Total ANR Agent Positions



ANR County Extension Agents

- ❑ Work directly with clientele and stakeholders in their county to meet needs
- ❑ Source of unbiased, research-based technical information
- ❑ Coordinate programs and educational opportunities with CAFE Subject Matter Specialists and support industry organizations and agencies



Going Forward: 4-Year Plan of Work – Strategic Initiatives



- ❑ Sustainable Ag
- ❑ Local Food Systems
- ❑ Urban Ag
- ❑ Chemical Management
- ❑ Water Issues
- ❑ Energy Issues
- ❑ Wildlife Management
- ❑ Invasive Species
- ❑ Data Management/
Technology
- ❑ Biotechnology

Questions / Comments

